

# City of Flagstaff Bond Question

*Forest Health & Water Supply  
Protection Project*

Nov 2012 City election

# Why this Bond question?

*This bond question is presented as an opportunity to invest in our water system: our forests, public safety, and financial stability*

*Its about an exceptional danger*

*Its about partnering with others*

*Its about quality of life*



# Consider this . . .

*A healthy and protected forest is  
a vital component of our City's  
water system*

We have a choice

*Forests → Faucets  
or  
Fire → Flood*





# What's the Problem?



# Question No. 405

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**Amount:** \$10,000,000

**Description:** *To prevent flood damage to the City of Flagstaff (“City”) and to protect the City water supply from damages which occur from large-scale and/or severe wildfire(s) in two watersheds serving the City*

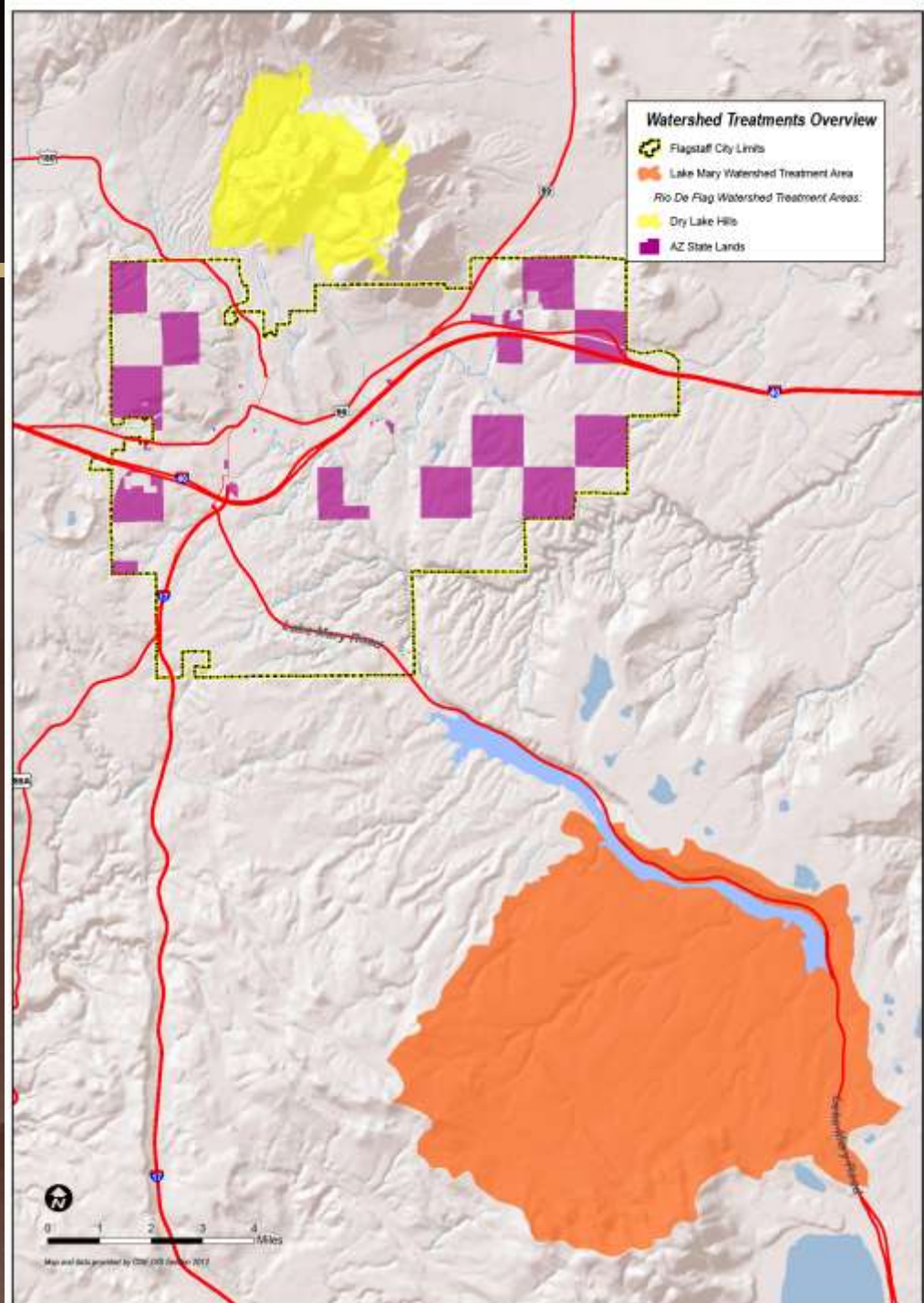


# Where?

## Rio de Flag:

- *Dry Lake Hills*
- *State Land*

## Lake Mary



# Rio de Flag watershed

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Purpose: Flood prevention

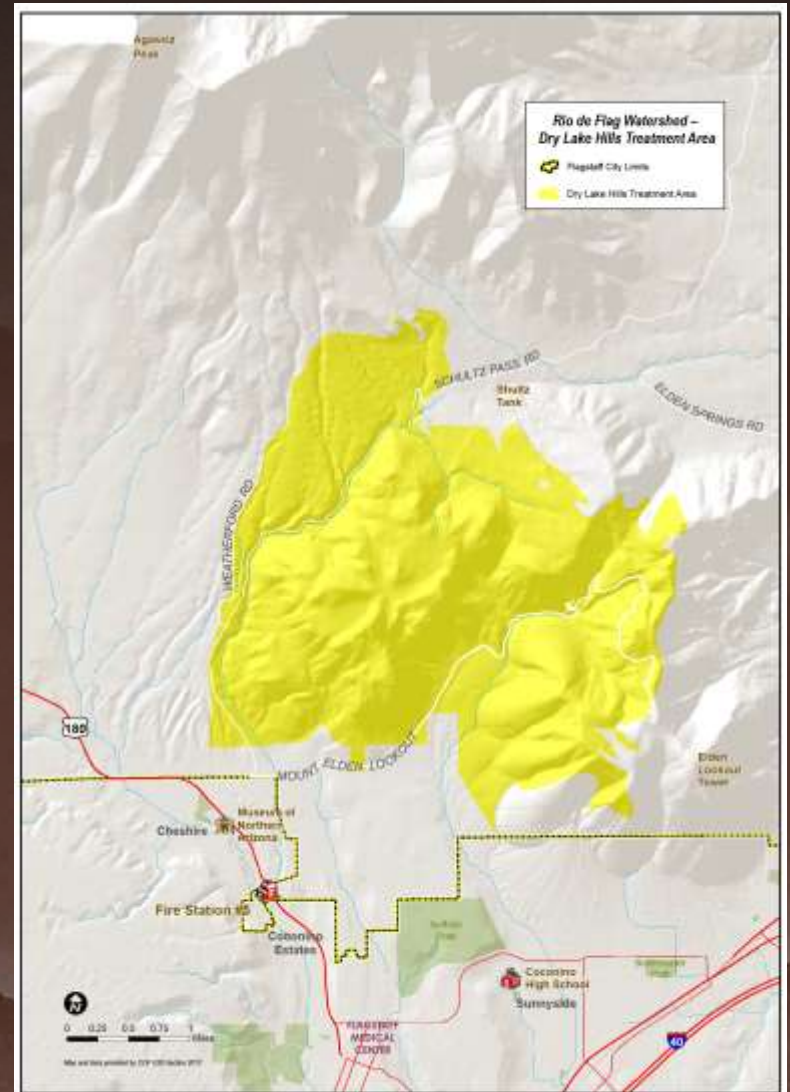
If approved, bond would: *Expedite and conduct forest treatments and environmental analysis in the watershed primarily north of town to reduce wildfire threat, thereby mitigating subsequent flooding to Sunnyside, downtown, the NAU campus, and neighborhoods bordering the Rio de Flag*

# Rio de Flag – Dry Lake Hills



**U.S. Forest Service lands**  
***North of, and outside, of***  
***the City***

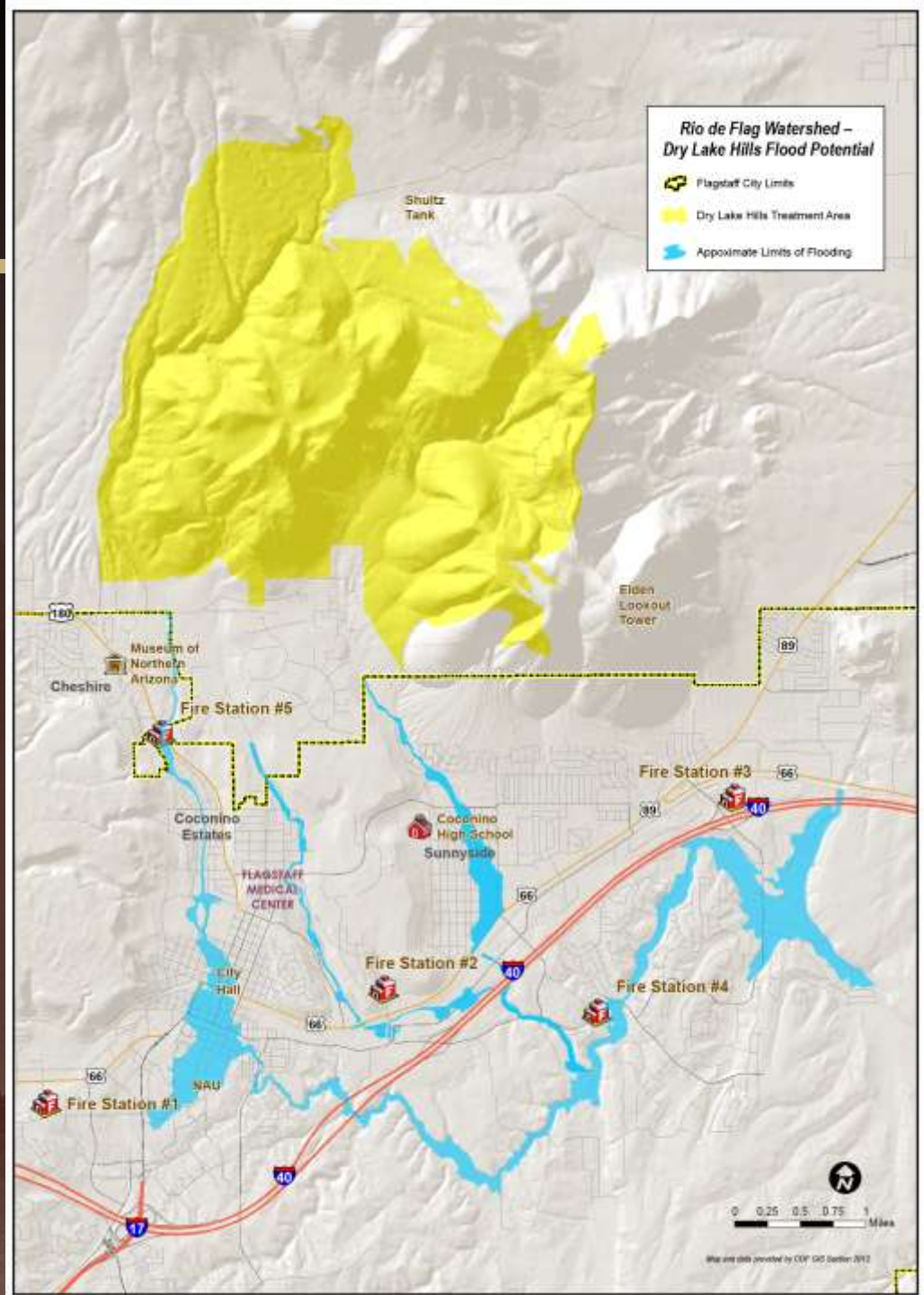
***City's backdrop***  
***and flood-shed***





# Rio de Flag

## *Dry Lake Hills Flood Potential*

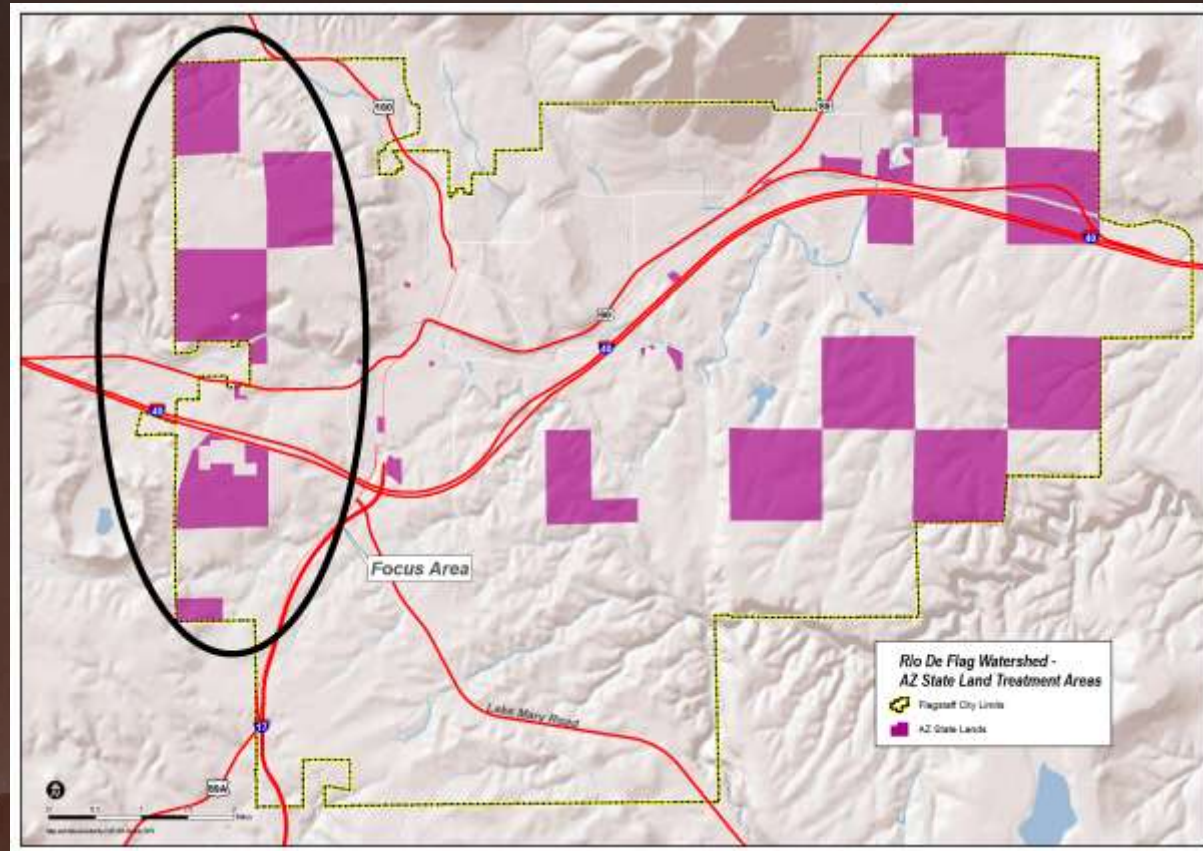


# Rio de Flag – State Land



**AZ State Land Dept parcels**  
*Within City, with initial  
focus on western parcels*

***Neighborhood fire threat;  
Contributes to potential  
flooding***





# Lake Mary watershed

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Purpose: Protect storage capacity and water quality

If approved, bond would: *Plan and conduct forest treatments and environmental analysis in the watershed south of town to reduce wildfire threat, thereby protecting the storage capacity and water quality of Lake Mary*

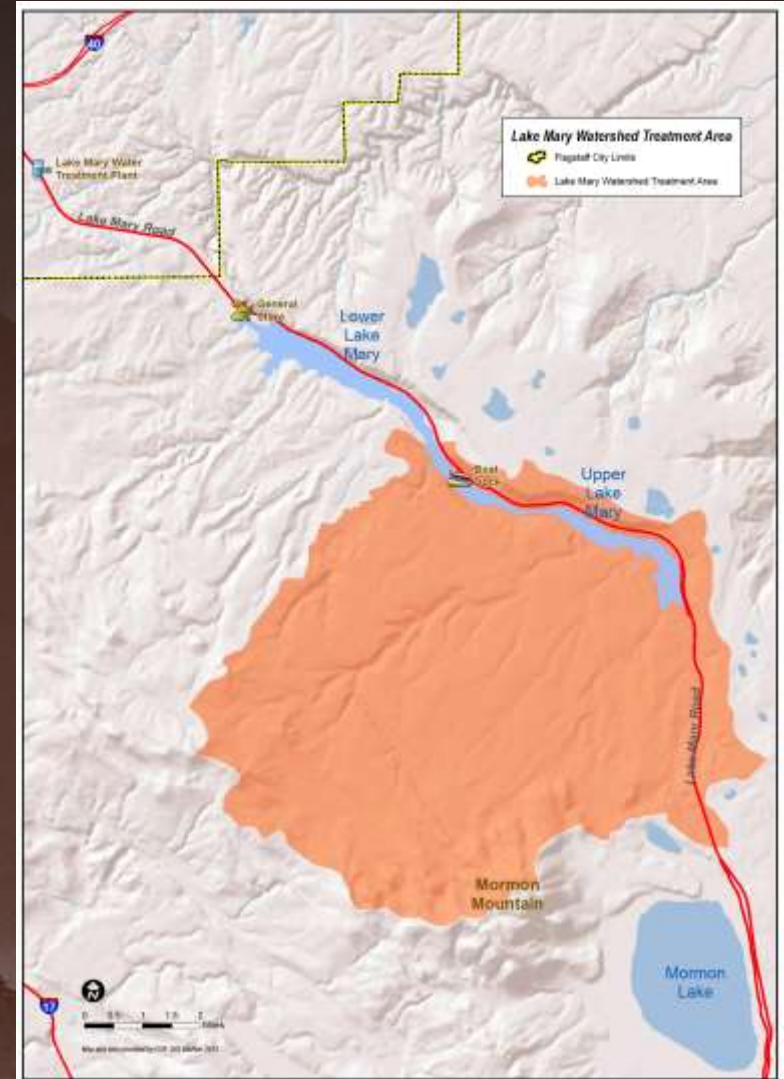


# Lake Mary



U.S. Forest Service lands  
*Outside of, and south of,  
the City*

*50% of city's water supply;  
Key recreational value*



# Lake Mary – Quality & Storage





# Why?

## ■ Timing

- *Fire and flood threat is certain and annual*
- *State and Federal funding is uncertain*
- *Forest treatments in parts of these two watersheds not planned to occur at all, or scheduled ten (10) years or more into the future*

## ■ Fire and Water impact is ours

## ■ Short-term financial impact is substantial

- *Large fire financial impact to City: \$60M (est)*

## ■ Long-term cost of recovery outweighs cost of preventative, pro-active mitigation

- *Schultz Fire: \$12M suppression + \$50M (and growing) recovery*
- *Lake Mary: \$22M (est) for new wells or \$20M (est) for dredging/treatment plant upgrades*



# Who Else is Involved?

- U.S. Forest Service - *Four Forest Restoration Initiative (4FRI)*
- Greater Flagstaff Forests Partnership (GFFP)
- NAU – Ecological Restoration Institute, School of Forestry, and Geology Dept
- Grand Canyon Trust
- The Nature Conservancy
- Friends of the Rio de Flag
- Summit, Highlands, and Mormon Lake Fire Districts

# What will the funds accomplish?

- **Accelerate** planning and treatment activities within 4FRI
- **Leverage** other State and Federal funds
- **Expand** scope and size of other planned forest treatments:

<u>Rio de Flag</u> –	4FRI funding –	2,360 acres
	City bond –	6,780 acres
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		9,140 acres

<u>Lake Mary</u> –	4FRI funding -	32,000 acres
	City bond -	4,000 acres
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		36,000 acres

# Question No. 405

**PURPOSE:** Forest Health and Water Supply  
Protection Project

**AMOUNT:** \$10,000,000

- ☐ FOR THE BONDS
- ☐ AGAINST THE BONDS

